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and for eg buoyancy, shock absorption; cushioning, hermal insulation and, in sandwich panels, for enhanced Exural rigidity with small weight penalty. See reticuited foam.

umbacked fabric (Textiles) Dress and furnishing fibrics bonded on the back to polyether or polyester froms by adhesive or flame treatment,

amed plastics (Plastics) See expanded plastics.

sined slag (Build) Blast furnace slag aerated while still molten. Used for building blocks and for acoustic and Exernal insulation:

moulding (Eng) Any polymer process which gives a artly or fully foamed product, esp structural foam goulding, sandwich moulding:

an plug (MinExt) Mass of foam generated and blown in o underground workings to seal off a fire or keep out saygen, where a fire risk exists:

separation (Chem) Removal of solutes or ions from a liquid by bubbling air through in the presence of nigface active agents which tend to be adsorbed on to the Embbles. Cf froth flotation, for larger particles.

al length (Phys) For a lens, the distance measured aling the principal axis; between the principal focus and the second principal point. In a thin lens both principal may be taken to coincide with the centre of the is. See back focus, convention of signs, equivalent focal

Rougth. the principal axis of a lens or lens system, in which the single of a particular object is formed. The principal, the plane passes through the principal focus, and applicant the images of objects at infinity. It is the normal intion of a film or plate, a ground glass focusing screen स्य a pick-up device.

plane shutter (Image Tech) Camera shutter in the faint of a blind with a slot, which is pulled rapidly across, and as close as practicable to, the film or plate, exposure time being varied by adjusting the width of the slot. silled self capping because the slot is closed during stensioning.

point (Phys) The focal spot formed on the axis of a or curved mirror by a parallel beam of incident. miliation. In its general form, this definition includes gustic lenses, electron lenses, and lenses or mirrors is gred for use with radio waves, infrared or ultraviolet

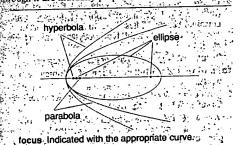
al spot (Phys) A spot onto which a beam of light or

thirged particles converges. See X-ray focal spot. imeter (Phys) An instrument for measuring the focal A constitution of the second

enigh of a lens.

The second of a lens.

The second of a conic a point such that the two lines of the second of a conic a point such that the two lines of the second of a conic a point such that the two lines of the second of every pair of conjugate lines through it are mutually serpendicular. The ellipse and hyperbola each have two fral focus. See conic for alternative definition: Of a madric a point not on the quadric, such that the three sanes of every set of three mutually conjugate planes through it are mutually perpendicular.



ing (Phys) A point to which rays converge after having passed through an optical system, or a point from which Tich rays appear to diverge. In the first case the focus is

said to be real; in the second case, virtual. The principal focus is the focus for a beam of light rays parallel to the principal axis of a lens or spherical mirror.

focusing (ImageTech) Adjustment of the axial position of a camera lens to form a sharp image in the required plane, such as the film or plate in photography or the camera tube target in TV...

focusing (Phys) The convergence to a point of: (1) beamsof electromagnetic radiation; (2) charged particle beams; or (3) sound or ultrasonic beams

focusing coil, focusing electrode (ElecEng) One used to focus a charged particle beam by a magnetic or... electrostatic field.

focusing screen (Image Tech) Screen, usually of ground glass, located in the place of a film or plate, or on the top: of a reflex camera, for adjusting the focusing of the lens

focus skin distance (Radiol) The distance from the focus of an X-ray tube to the surface of incidence on a patient,

usually measured along the beam axis. Abbrev FSD foetal membranes (Zool), in reptiles, birds and mammals, outgrowths from the embryo, or the extraembryonic tissue, which surround and protect the foetus and facilitate respiration. See allantois, amnion, chorion.

foetus (Zool) A young mammal within the uterus of the mother, or in oviparous animals the young within the egg, from the beginning of organ development until birth. Adj foetal.

fog (Image Tech) An overall density in a photographic record not related to the exposed image. It may be caused by an unwanted exposure to light or radiations such as, X-rays, by incorrect chemical processing or by pro-tracted and unsuitable storage.

fog (Meteor.) Minute water droplets with radii in the range one to 10 µm suspended in the atmosphere and reducing visibility to below 1 km (1100 yd in UK).

fogbow (Meteor) A bow seen opposite the Sun in fog. The bow is similar to the rainbow, but the colours are faint, or even absent, owing to the smallness of the drops; which

causes diffraction scattering of the light fog fever (Vet) Atypical interstitial pneumonia. An acute respiratory distress syndrome of cattle which usually comes on within two weeks of introduction to lush pasture. Most common in suckler herds where morbidity. may reach 50%...;

fog levels (Image Tech) The minimum density of a processed photographic image in an unexposed area.

fog signal (CivEng.) A detonating cap which is placed on a. rail before the passage of a train, so that the detonation occurring when a wheel passes over it shall serve as a signal to the driver in bad visibility.

fog-type insulator (ElecEng) A type of overhead-line insulator having long leakage distances; specially designed for areas in which fog is prevalent.

föhn wind (Meteor) A warm dry wind which blows to the lee of a mountain range. It is prevalent on the northern, slopes of the Alps.4

foid (Min) A term meaning feldspathoid used by international agreement on rock classification

foidite (Min) Internationally ('IUGS') agreed usage for volcanic rocks containing more than 60% feldspathoids ('foid') by volume among light-coloured constituents. The most abundant feldspathoid name should be used if possible, eg nephelinite, leucitite etc. See volcanic rocks

foidolite (Min) Internationally ('IUGS') agreed usage for plutonic rocks containing more than 60% feldspathoids ('foid'). by volume among light-coloured constituents. The most abundant feldspathoidal name should be used if possible, eg nephelinolite, leucitolite etc. See plutonic 173. 144 rocks.

FOIRL (Comp.) Abbrev for fibre optic inter-repeater link. foldback DNA (Biol) Sequence complementarity, which allows a single-stranded molecule to form secondary structure. Hairpin DNA is one form with a minimal loop

folded dipole (Telecomm). A dipole antenna with a

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